

ABSTRACT OF THE DISCLOSURE

PSEUDO-COAXIAL WAFER ASSEMBLY FOR CONNECTOR

A high-density connector utilizes a plurality of terminal assemblies that are assembled together into a block, or single unit, to form a connector. Each terminal assembly of the connector utilizes a plurality of conductive terminals having contact portions for mating with an opposing connector, tail portions for mounting to a circuit substrate and body portions held within an insulative body portion of the assembly.

The body portions are supported within a housing in the form of a wafer which is plated with a conductive material so as to provide an all encompassing ground structure that surrounds the terminals and their insulative supporting terminal assemblies. In this manner a reference ground is provided around each signal terminal between its contact and tail portions that emulates a coaxial cable. The tails of the terminals and the ground structure have wide body portions with narrow contact portions to promote wicking of solder onto the tails for establishing a reliable solder mounting of the connector to a circuit board.